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(Typed/Printed Name)

CERTIFICATE OF MAILING PURSUANT TO 37 C.F.R. 1.10

In re Application of: Keim, et al.

Serial No.: 10/624,217

Filed: July 21, 2003

For: DNA FINGERPRINTING FOR CANNABIS
SATIVA (MARIJUANA) USING SHORT
TANDEM REPEAT (STR) MARKERS

Attorney Docket No.: 112624.00084

Group Art Unit: 1645

Examiner: Unassigned

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- 1) Supplemental Information Disclosure Statement
- 2) Form PTO-1449 (5 pages)
- 3) References (32)
- 4) Return receipt postcard



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Keim *et al.*

Serial No.: 10/624,217

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For: *DNA FINGERPRINTING FOR CANNABIS
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97

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Dear Sir:

Applicant hereby brings to the attention of the Examiner the documents noted on the accompanying Form PTO-1449. This Supplemental Information Disclosure Statement is being filed prior to the mailing date of a first Office Action.

Please note the information contained in this Supplemental Information Disclosure Statement was cited in a U.S. Patent Application No. 10/624,217 which was filed on July 21, 2003.

It is respectfully requested that the information cited herein be expressly considered during the prosecution of this application and made of record on any patent to issue therefrom. Inclusion of a reference on the enclosed Form PTO-1449 is not to be construed as indicating the reference is prior art. Provision of this Supplemental Information Disclosure Statement is not to be taken as evidence that a search has been conducted.

USSN: 10/624,217

Keim et al.

Information Disclosure Statement

No fee is believed due with this mailing. The Commissioner is hereby authorized to charge any cost that may be due to Deposit Account No. 17-0055.

Respectfully submitted,

QUARLES & BRADY STREICH LANG, LLP

November 9, 2004

By: Barbara J. Luther

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Attorney Docket No. 112624.00084

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(Use as many sheets as necessary)

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|-------|---|----|---|
| Sheet | 1 | of | 5 |
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|------------------------|---------------|
| Application Number | 10/624,217 |
| Filing Date | July 21, 2003 |
| First Named Inventor | Keim et al. |
| Art Unit | 1645 |
| Examiner Name | |
| Attorney Docket Number | 112624.00084 |

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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|----------------------------|-------------------------------|---------------|
| Sheet 2 of 5 | Application Number | 10/624,217 |
| | Filing Date | July 21, 2003 |
| | First Named Inventor | Keim et al. |
| | Art Unit | 1645 |
| | Examiner Name | |
| | Attorney Docket Number | 112624.00084 |

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|---|----------------|
| | D | ADAMS, R., "Marihuana", Science Vol. 92 No. 2380 (1940) 115-119. | |
| | E | Anonymous, Microsat, the microsatellite distance program, Human population genetics laboratory, Department of genetics, Stanford, CA, USA, (2001). | |
| | F | BALDING, D., "Forensic applications of microsatellite.", Microsatellites Evolution and Applications, (1999) Oxford University Press, NY, pp. 198-210. | |
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| | K | EMBODEN, W.A., Jr., "Ritual use of Cannabis sativa L".: P. T. Furst (Eds.), Flesh of the gods: the ritual use of hallucinogens, Praeger Publishers, 1972, pp. 214-235. | |
| | L | EXCOFFIER, L. et al., "Analysis of molecular variance inferred from metric distances among DNA", Genetics 131 (1992) pp. 479-491 | |
| | M | FELSENSTEIN, PHYLIP (Phylogeny Inference Package) version 3.5c, Seattle, WA, USA, (1993). | |

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| | | Application Number | 10/624,217 |
| | | Filing Date | July 21, 2003 |
| | | First Named Inventor | Keim et al. |
| | | Art Unit | 1645 |
| | | Examiner Name | |
| Sheet 3 of 5 | Attorney Docket Number | 112624.00084 | |

| OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS | | | |
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| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | N | GIGLIANO, SINISCALOCO et al., " Ribosomal DNA analysis as a tool to identify specimens of Cannabis sativa L. of forensic interest", Sci. Justice 37(3): (1997) 171-174. | |
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| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | X | LI, S.H. et al., "Isolation of tetranucleotide microsatellites from the Mexican jay <i>Aphelocoma ultramarina</i> ", <i>Mol. Ecol.</i> 6 (1997) 499-501. | |
| | Y | LINACRE, A. et al., "Detection and identification of cannabis by DNA", <i>article Forensic Sci Intl</i> 91 (1998) 71-76. | |
| | Z | PARK, S.D.E., "The Excel Microsatellite Toolkit"; Trypanotolerance in West African Cattle and the Population, University of Dublin, Ph.D. thesis (2001). | |
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| | AB | PEARSON, T., "Polygyny and extra-pair paternity in a population of southwestern willoflycatchers" (<i>Empidonax traillii extimus</i>), Northern Arizona University, (2002) THESIS | |
| | AC | PEREZ-REYES, M. et al., "The pharmacological effects of daily marijuana smoking in humans", <i>Pharmacol. Biochem. Behav.</i> 40 (1991) 691-694 (ABSTRACT) | |
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| | AG | WATTS, D., "Genotyping STR loci using an automated DNA sequencer": in P.J. Lincoln, J. Thompson (Eds.), <i>Forensic DNA Profiling Protocols</i> , Humana Press, Totowa, New Jersev. 1998. pp. 193-208. | |

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| | AG | WEISING, K. et al., "DNA fingerprinting in plants and fungi", Boca Ration FL: CRC Press (1995) 51-53. | |
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